NumberSense Companion, Grade 7

Page

Curriculum Topics					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
Numbers, Operations and Relationships	1.1	Whole numbers	1.1a	Mental calculations																																																																																
			1.1b	Ordering and comparing																																																																																
			1.1c	Properties of whole numbers																																																																																
			1.1d	Calculations																																																																																
			1.1e	Calculation techniques																																																																																
			1.1f	Multiples & factors																																																																																
			1.1g	Solving problems																																																																																✓
	1.2	Exponents	1.2a	Mental calculations																			✓					✓				✓					✓																																																				
			1.2b	Comparing and representing																			✓					✓				✓					✓																																																				
			1.2c	Calculations																								✓				✓					✓																																																						
			1.2d	Solving problems																			✓					✓				✓					✓																																																				
	1.3	Integers	1.3a	Counting, ordering and comparing																																															✓											✓			✓																					
			1.3b	Calculations																																																															✓			✓					✓							✓						
			1.3c	Properties of integers																																																																		✓					✓							✓						
			1.3d	Solving problems																																																																		✓					✓							✓						
	1.4	Common fractions	1.4a	Ordering, comparing and simplifying																																																																																			
			1.4b	Calculations																																																																										✓					✓		
			1.4c	Calculation techniques																																																																										✓					✓		
			1.4d	Solving problems																																																																										✓					✓		
			1.4e	Percentages																																																																																			
			1.4f	Equivalent forms																																																																																			
	1.5	Decimal fractions	1.5a	Ordering and comparing																																																																																			
			1.5b	Calculations																																																																																				
			1.5c	Calculation techniques																																																																																				
			1.5d	Solving problems																																																																																				
			1.5e	Equivalent forms																																																																																				
Patterns, Functions and Algebra	2.1	Numeric and Geometric patterns	2.1	Investigate & extend																																	✓																																						✓											
	2.2	Functions and relationships	2.2a	Input & output values																																	✓																																						✓			✓								
			2.2b	Equivalent forms																																																																								✓			✓								
	2.3	Algebraic expressions	2.3	Algebraic language																																																																							✓			✓				✓	✓			
	2.4	Algebraic equations	2.4	Number sentences																																																																							✓			✓				✓	✓			
	2.5	Graphs	2.5a	Interpreting graphs																																																																																			
			2.5b	Drawing graphs																																																																																				
Space and Shape	3.1	2D shapes	3.1a	Classifying		✓						✓					✓	✓																														✓									✓															✓	✓													
			3.2b	Similar and congruent														✓																							✓						✓																	✓				✓			✓															
			3.3c	Solving problems		✓						✓					✓																																								✓														✓	✓	✓													✓	
	3.2	3D objects	3.2a	Classifying							✓											✓															✓			✓						✓														✓					✓															✓						
			3.2b	Building 3D models							✓											✓															✓			✓						✓														✓					✓															✓						
	3.3	Straight lines	3.3	Define																																																																																		
	3.4	Transformations	3.4a	Transformations	✓											✓		✓										✓						✓								✓					✓	✓		✓						✓														✓															
			3.4b	Enlargement and reductions														✓																																												✓				✓																		
	3.5	Constructions	3.5a	Measuring angles						✓		✓																																																																								
			3.5b	Constructions																																																																																			
Measureme	4.1	Area and Perimeter	4.1a	Area and perimeter					✓				✓													✓									✓						✓																																													✓
			4.1b	Calculations and solving problems					✓				✓													✓															✓																	✓	✓																													
	4.2	Surface Area and Volume	4.2a	Surface area and volume																										✓													✓						✓																		✓			✓																
			4.2b	Calculations and solving problems																										✓													✓						✓									✓	✓								✓			✓																
Data Handling	5.1	Collect, organise and summarise	5.1a	Collect data															✓	✓																																					✓	✓																									
			5.1b	Organise and summarise data															✓	✓				✓	✓																			✓	✓																																											
	5.2	Represent	5.2	Represent data																					✓																								✓	✓																																		
	5.3	Interpret, analyse and report	5.3a	Interpret data										✓	✓				✓	✓				✓	✓							✓	✓					✓	✓					✓	✓							✓																																					
			5.3b	Analyse data				✓						✓	✓				✓	✓				✓	✓							✓	✓					✓	✓						✓							✓		✓																																		
			5.3c	Report data											✓										✓								✓						✓						✓								✓	✓																																				
	5.4	Probability	5.4	Probability																																																					✓	✓	✓														✓	✓									